

Specification MAP/CV1000/Issue 5 Dated 16.9.47. To be read in conjunction with K1001.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - Triode <u>CATHODE</u> - Indirectly heated <u>ENVELOPE</u> - Glass-unmetallised <u>PROTOTYPE</u> - 4D1				<u>MARKING</u> See K1001/4		
<u>RATING</u>				<u>BASE</u> B7		
				Note		
Heater Voltage (V)	13.0			Pin	Electrode	
Heater Current (A)	0.15			1	No connection	
Max. Anode Voltage (V)	250			2	No connection	
Mutual Conductance (mA/V)	4.0	A		3	No connection	
Amplification Factor	40	A		4	Heater	
Anode Impedance (Ω)	10000	A		5	Heater	
				6	Cathode	
				7	Anode	
				T.C.	Grid	
<u>NOTE</u>				<u>TOP CAP</u>		
A. At $V_a = 250$, $V_g = -3.0$.				See K1001/AI/D5.1		
				<u>DIMENSIONS</u>		
				See K1001/AI/D1.		
				Dimension	Min.	Max.
				A (mm)	108	117
				B (mm)	-	39
				C (mm)	-	35

To be performed in addition to those applicable in K1001.

	Test Conditions			Test	Limits		No. Tested			
					Min.	Max.				
a	See K1001/AIII			<u>CAPACITANCES</u> (pF)			6 per week			
	Links to H.P.	Links to L.P.	Links to E.							
	7	TC1	1,2,3, 4,5,6,8, 9,10,TC2					Cag	2.2	3.2
	7	1,2,3,4, 5,6	8,9,10, TC1,TC2					Cae	2.6	5.3
	TC1	1,2,3,4, 5,6	7,8,9, 10,TC2	Cge	2.6	4.2				
b	Vh	Va	Vg	Ih (A)	0.135	0.165	100% or S			
	13.0	0	0							
c	13.0	250	-3.0	Ia (mA)	7.0	13.0	100%			
d	13.0	250 Peak grid swing $\pm 0.5V$. max.	-3.0	gm (mA/V)	3.5	-	100%			
e	13.0	250	-3.0	Reverse Ig (μA)	-	2.0	100%			
f	13.0	250	-3.0	μ	32.0	48.0	100% or S			
g	13.0	250	-8.0	Ia (mA)	-	1.25	100%			
h	13.0	30V. applied to anode and grid strapped		Ic (mA)	50	-	100%			